

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 0    | ((generate OR create) NEAR (incorrect NEAR password)) AND biometric AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")              | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ              | ON      | 2007/08/24 14:32 |
| S2    | 0    | ((generate OR create) NEAR (incorrect password)) AND biometric AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ              | ON      | 2007/08/24 09:17 |
| S3    | 0    | ((generate OR create) NEAR (incorrect password)) AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                                 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ              | ON      | 2007/08/24 09:17 |
| S4    | 0    | ((generate OR create) NEAR (incorrect NEAR password)) AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                            | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ              | ON      | 2007/08/24 09:17 |
| S5    | 0    | ((generate OR create) NEAR (incorrect WITH password)) AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                            | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ              | ON      | 2007/08/24 09:17 |
| S6    | 0    | ((generate OR create OR calculate) NEAR (incorrect WITH password)) AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")               | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ              | ON      | 2007/08/24 09:18 |
| S7    | 12   | ((generate OR create OR calculate) SAME (incorrect WITH password)) AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")               | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ              | ON      | 2007/08/24 09:18 |
| S8    | 2    | ((generate OR create OR calculate) SAME (incorrect WITH password)) AND biometric AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ              | ON      | 2007/08/24 09:18 |



"biometric template" verification software para

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## Patents

Patents 1 - 3 on "biometric template" verification software parameter. (0.09 seconds)

### Signature capture/verification systems and methods

US Pat. 5892824 - Filed Jan 12, 1996 - International Verifact Inc.

Microprocessor 200 then, under **software** control, compares the signature features  
... against a threshold value provided by the control **parameter** store 302. ...

### System and method of biometric smart card user authentication

US Pat. 6655585 - Filed May 10, 1999 - Citicorp Development Center, Inc.

The **verification** task determines whether or not the individual claiming an ...  
design requirements by putting the user's **biometric template** on the card, ...

### Sequence-encoded multiple biometric template security system

US Pat. 6393139 - Filed Feb 23, 1999 - Xirlink, Inc.

It should be noted that the **verification** parameters of each fingerprint of the  
... After each fingerprint is recognized, the **parameter** (eg minutiae) of the ...

"biometric template" verification software para

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## Patents

Patents 1 - 4 on stanley chow tamper. (0.04 seconds)

### Tamper resistant software encoding

US Pat. 6594761 - Filed Jun 9, 1999 - Cloakware Corporation

(12) United States Patent Chow et al. (54) TAMPER RESISTANT SOFTWARE ENCODING (75)

Inventors: **Stanley T. Chow**, Nepean (CA); Harold J. Johnson, Nepean (CA); ...

### Tamper resistant software-control flow encoding

US Pat. 6779114 - Filed Aug 19, 1999 - Cloakware Corporation

(12) United States Patent Chow et al. (54) TAMPER RESISTANT SOFTWARE- CONTROL FLOW ENCODING (75) Inventors: **Stanley T. Chow**, Nepean (CA); ...

### Encoding technique for software and hardware

US Pat. 5748741 - Filed Mar 7, 1996 - Northern Telecom Limited

What is claimed is: 1- A process of encoding an executable program design for tamper protection and concealment of information contained therein such that ...

### Encoding technique for software and hardware

US Pat. 6088452 - Filed Mar 7, 1996 - Northern Telecom Limited

... hardware designs, or to provide tamper protection, is not new. Many mechanisms have been applied to achieve such objectives. ...

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1980

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## Patents

Patents 1 - 50 on **biometric password key**. (0.07 seconds)

### Biometric token for authorizing access to a host system

US Pat. 5280527 - Filed Apr 14, 1992 - Kamahira Safe Co., Inc.

It produces a dynamic host is to be authorized. security **password** not from a time  
... **biometric** information to the security derived from a private **key**... .

### Method for securely using digital signatures in a commercial cryptographic system

US Pat. 5659616 - Filed Jul 16, 1996 - Certco, LLC

This principle of private **key** confinement is vital to the concept of ... This is  
not a problem when the **biometric** device is embedded in a concrete wall, ...

### Biometric input device with peripheral port

US Pat. 5987155 - Filed Oct 27, 1997 - Dew Engineering and Development Limited

Such a **key** is accessed via a **password** entered at the keyboard. Other users can  
take such a portable card and such a **password** can be discovered. ...

### Method and apparatus for a cryptographically assisted commercial network system designed to ...

US Pat. 5794207 - Filed Sep 4, 1996 - Walker Asset Management Limited Partnership

... **password** is not accepted. The code that acts much like the fingerprint of ...  
210 Although the above cryptographic and **biometric** proto- extracts seller ...

### System, method and computer program product for allowing access to enterprise resources using ...

US Pat. 6256737 - Filed Mar 9, 1999 - BioNetrix Systems Corporation

Roaming Profile Server The concept of using a public **key** to decode a digital ...  
The non-**biometric** devices (eg, **password**, smart cards and tokens) are ...

### Digital camera with **biometric** security

US Pat. 6433818 - Filed Jul 15, 1999 - FotoNation, Inc.

Initially, as described above, an authorized user presents a **password/key** enabling  
the camera to acquire and store the **biometric** data of the authorized user ...

### Multi-factor **biometric** authenticating device and method

US Pat. 6363485 - Filed Sep 9, 1998 - Entrust Technologies Limited

**Biometric** input data serves as the second partial encryption **key** seed **key** ...  
as a **password** or personal identification number referred to herein as ID data, ...

### Trusted and secure techniques, systems and methods for item delivery and execution

US Pat. 6185683 - Filed Dec 28, 1998 - InterTrust Technologies Corp.

... name; physical address; electronic address; public **key**; and the like. ...  
type and/or "strength" of recipient authentications (eg, **biometric**, **password**, ...

### Counterfeit proof ID card having a scrambled facial image

US Pat. 4972476 - Filed May 11, 1989

The use of various non-biometric encoding devices embedded within cards 65 to be matched with a personal **password** keyed in to a verifier by the bearer of ...

#### Biometric authentication system with encrypted models

US Pat. 6317834 - Filed Jan 29, 1999 - International Business Machines Corporation

The system uses the **password** (P1) to create decryption **key** (k1) at block 31.

The encrypted **biometric** record will be successfully decrypted only if the ...

#### Enhanced cryptographic system and method with key escrow feature

US Pat. 5799086 - Filed Feb 19, 1997 - CertCo LLC

keys of several users while linking each user private **key** 2. ... number and **password** or the equivalent to each step PIN. **biometric**. challenge response, etc. ...

#### USB-compliant personal key

US Pat. 6671808 - Filed Mar 30, 1999 - Rainbow Technologies, Inc.

First, the use of a single **password** raises the very real possibility that the

... The personal **key** 200 accepts data from the **biometric** sensor 250 to verify ...

#### Apparatus and methods for providing repetitive enrollment in a plurality of biometric ...

US Pat. 6092192 - Filed Jan 16, 1998 - International Business Machines Corporation

Thus, the recognition systems that are to retrieve the **biometric** ... voice print with a server address, a login, a **password**, and a public decryption **key**. ...

#### Pluggable account management interface with unified login and logout and multiple user ...

US Pat. 5774551 - Filed Aug 7, 1995 - Sun Microsystems, Inc.

The authentication services 109 may include **password** or encrypted **key** based mechanisms such as Diffie-Hellman, DBS, Kerberos, RSA, and the like; ...

#### Method and system for transcribing electronic affirmations

US Pat. 6091835 - Filed Feb 17, 1998 - PenOp Limited

The party may enter a handle, pointer or other access to a private **key** which ...

eg a **password**, **key** y, **biometric** sample or other affirming data he or she is ...

#### Method of securing a cryptographic key

US Pat. 6052468 - Filed Jan 15, 1998 - DEW Engineering and Development Limited

One such method is to employ the **password** or a predetermined portion thereof ...

Upon presentation of appropriate **biometric** information, the secured **key** is ...

#### Portable information and transaction processing system and method utilizing biometric ...

US Pat. 6016476 - Filed Jan 16, 1998 - International Business Machines Corporation

For instance, a smartcard having a valid digital certificate and the user's verification data (eg, **biometric** data (voice print), PIN and/or **password**) and ...

#### Method and apparatus for facilitating buyer-driven purchase orders on a commercial network system

US Pat. 6260024 - Filed Dec 2, 1998

Any seller bid 115 received without appropriate voice match **password** is not accepted.

... This technique could also be augmented with **biometric** devices. ...

#### User authentication using a virtual private key

US Pat. 6189096 - Filed Aug 6, 1998 - Kyberpass Corporation

55 Thus, today's PKI systems may be said to have a weak link problem because of

the private **key** being only **password** protected. Another problem is that PKI ...

**Access control and authorization system**

US Pat. 6490680 - Filed Dec 4, 1998 - TecSec Incorporated

The User ID and User **Password** are communicated to the smart card. The Constructive Key Management program prompts the user for the user's **biometric** ...

**Biometric controlled key generation**

US Pat. 5680460 - Filed Aug 8, 1995 - Mytec Technologies, Inc.

As with many According to the present invention, there is provided a. encryption techniques, the encryption algorithm effects **biometric controlled key** ...

**Smart token system for secure electronic transactions and identification**

US Pat. 5943423 - Filed Dec 15, 1995 - Entegrity Solutions Corporation

As suggested above, any number of **biometric** measures may be utilized as a **key** to prevent anyone other than the actual owner from opening and accessing a ...

**Cryptographic key generation using biometric data**

US Pat. 6035398 - Filed Nov 14, 1997 - DigitalPersona, Inc.

One prior art method of encryption is public **key** encryption, an encryption scheme in which each ... the **key** may be stored in a **password** protected file. ...

**Biometric authentication system**

US Pat. 6219439 - Filed Jul 9, 1999

In addition, the user must remember both his ID and **password** and in many ... is really a look-alike type log on screen that is capturing his **key** strokes. ...

**Secure world wide electronic commerce over an open network**

US Pat. 5850442 - Filed Mar 26, 1996 - Entegrity Solutions Corporation

As suggested above, any number of **biometric** measures may be utilized as a **key** to prevent anyone other than the actual owner from opening and accessing a ...

**Method and apparatus for a cryptographically-assisted commercial network system designed to ...**

US Pat. 5862223 - Filed Jul 24, 1996 - Walker Asset Management Limited Partnership

The apparatus of claim 9, wherein the encryption **key** belongs to an asymmetric ... The apparatus of claim 15, wherein the **biometric** qualification includes ...

**System and method for authenticating users in a computer network**

US Pat. 6618806 - Filed Jul 6, 1999 - Saflink Corporation

The user's **biometric** is captured, individual characteristics are extracted from ... specific data such as encrypted **password** or **key** for another data table. ...

**System and method for authenticating electronic transactions using biometric certificates**

US Pat. 6202151 - Filed Dec 31, 1997 - GTE Service Corporation

The combination of cryptographic techniques, includ- ing public **key** ... The first category having physical indicia relates to the **biometric** data of an ...

**Telephone with biometric sensing device**

US Pat. 5872834 - Filed Sep 16, 1996 - Dew Engineering and Development Limited

By requiring encryption to be performed with a receiver's encryption **key**...

The security inherent in the system can be augmented through **password** entry to ...

### Method and apparatus for securing electronic games

US Pat. 6099408 - Filed Dec 31, 1996 - Walker Digital, LLC

16 illustrates an **asymmetric key** protocol in which item. A **biometric** device incorporates a physical attribute of a player communication is encrypted with a ...

### Tokenless biometric electronic debit and credit transactions

US Pat. 6269348 - Filed Jan 29, 1999 - Veristar Corporation

Each PIA conducts one or more of the following operations: gather **biometric** input from a payor or payee 55 gather a PIN code or **password** from a payor or ...

### Biometric input with encryption

US Pat. 5995630 - Filed Feb 28, 1997 - DEW Engineering and Development Limited

**BIOMETRIC INPUT WITH ENCRYPTION** This application is a Continuation-in-Part of ... Such a **key** is accessed via a **password** 55 entered at the keyboard. ...

### Biometric system and techniques suitable therefor

US Pat. 6311272 - Filed Nov 17, 1998 - M-Systems Flash Disk Pioneers Ltd.

... REQUEST SMARTCARD DECRYPTS ITS MESSAGE IN/**PASSWORD** &/OR **BIOMETRIC PIN/PASSWORD** ... **BIOMETRIC** 650 660 680 690 COMPARE BIOTEST TO REFERENCE (FIG. ...

### Enhanced cryptographic system and method with **key** escrow feature

US Pat. 6009177 - Filed Feb 19, 1997 - Certco LLC

... smart card, PIN, **biometric**, challenge response, etc. By assigning a user identification number and **password** or the equivalent to each public/private **key** ...

### Portable authentication system

US Pat. 5131038 - Filed Nov 7, 1990 - Motorola, Inc.

In many applica- the user may type or speak a **password**, or insert a spe- tions where authentication and identification involves cialized **key**. ...

### Self-authentication apparatus and method

US Pat. 6185316 - Filed Nov 12, 1997 - Unisys Corporation

Unitary login is generally a two-step process, in which the user first authenticates to a user using, for example, a **password**, token, or **biometric** sample. ...

### Biometric certificates

US Pat. 6310966 - Filed May 8, 1998 - GTE Service Corporation

The combination of cryptographic techniques, includ- ing public **key** cryptography, ... number or a **password** associated with the user sending the transaction. ...

### Authentication system based on periodic challenge/response protocol

US Pat. 6088450 - Filed Apr 17, 1996 - Intel Corporation

It is plausible that the token may employ a type of **biometric** measurement device in lieu of a **password**-based system. For example, a thumbprint or ...

### Method and apparatus for binding electronic impressions made by digital identities to documents

US Pat. 6401206 - Filed Mar 5, 1998 - Skylight Software, Inc.

The **password** and/or pin number will restrict the access to the smart card, ... and 30 other **biometric** information may still be used since they provide ...

### Method and apparatus for non-intrusive **biometric** capture

US Pat. 6193153 - Filed Apr 13, 1998

In a related application, computer keyboards may also include **biometric sensors** on certain well used keys such as the "enter" key, the "space" key, ...

#### Method and apparatus for secure distribution of authentication credentials to roaming users

US Pat. 6263446 - Filed Nov 19, 1998 - Arcot Systems, Inc.

To overcome the insecurity of the **password**, alternative technologies have been developed. One such technology is **asymmetric key** cryptography. ...

#### Biometrically secured control system for preventing the unauthorized use of a vehicle

US Pat. 5867802 - Filed Aug 2, 1996 - Dew Engineering and Development Limited

... authorized user **biometric key** is provided, thereby prevent- ... This PC security system, utilizing a **password board**, is in accordance with the ...

#### Protected storage of core data secrets

US Pat. 6272631 - Filed Jun 30, 1997 - Microsoft Corporation

Typically, a user's logon name and **password** are used to form or derive a key that is used for encrypting and decrypting data items. ...

#### Secure cryptographic methods for electronic transfer of information

US Pat. 5668878 - Filed Aug 31, 1995

For some applications even a **biometric**, which access information, y. ... the **password** In many off-line applications, the public key of the 65 mechanism ...

#### Plurality-factor security system

US Pat. 6035406 - Filed Apr 2, 1997 - Quintet, Inc.

Similarly, known security systems which require **biometric** information ... (such as a **password** or PIN) to the physical token for the challenge and response. ...

#### Method and system for accessing electronic resources via machine-readable data on intelligent ...

US Pat. 6434561 - Filed May 9, 1998 - Neomedia Technologies, Inc.

Some of the disadvantages of **biometric** techniques is that the implementation ... A user chooses or is assigned an account name and an associated **password**. ...

#### Identification and security using biometric measurements

US Pat. 5991408 - Filed May 16, 1997 - Veridicom, Inc.

Beyond maintaining information in a secure area through locks or **password** ...

The user **biometric** element that will serve as the key is sampled by an ...

#### Solid state key for controlling access to computer systems and to computer software and/or for ...

US Pat. 4819267 - Filed Jun 9, 1987 - Thumbscan, Inc.

Essentially, the evident that a number of **biometric** gates can be used to software or data to which the lock is to be applied is input a stimulus to the key... .

#### Encryption process including a biometric unit

US Pat. 7111173 - Filed Sep 1, 1999 - Tecsec, Inc.

35 Note that three things are needed to complete logon—a **password**, ... Using **biometric** data as a piece of information to build the **key** to decrypt the user's ...

#### System for protecting computers via intelligent tokens or smart cards

US Pat. 5448045 - Filed Feb 26, 1993

In embodiments of the invention, the memory also contains a **password** for ...

Examples of such peripherals are keypads, displays, and **biometric** devices (eg, ...

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biometric password key

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## EAST Search History

|     |     |   |   |     |    |                  |
|-----|-----|---|---|-----|----|------------------|
| S9  | 568 | private key AND public key AND biometric AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/24 14:32 |
| S10 | 79  | private key AND public key AND biometric AND ("713/186".ccls.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/24 14:33 |
| S11 | 44  | (creat\$3 OR generat\$3) AND pair AND private key AND public key AND biometric AND ("713/186".ccls.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 08:37 |
| S12 | 44  | (creat\$3 OR generat\$3 OR calculat\$3) AND pair AND private key AND public key AND biometric AND ("713/186".ccls.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                            | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/24 14:34 |
| S13 | 22  | ("well known") AND (creat\$3 OR generat\$3 OR calculat\$3) AND pair AND private key AND public key AND biometric AND ("713/186".ccls.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")         | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/24 14:35 |
| S14 | 0   | ((pair NEAR (private key AND public key)) SAME ("well known")) AND (creat\$3 OR generat\$3 OR calculat\$3) AND biometric AND ("713/186".ccls.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/24 14:36 |
| S15 | 0   | ((pair NEAR (private key AND public key)) SAME ("well known")) AND ("713/186".ccls.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/24 14:36 |
| S16 | 20  | ((pair NEAR (private key AND public key)) SAME ("well known")) AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                                 | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/24 14:36 |

## EAST Search History

|     |    |  |  |     |    |                  |
|-----|----|--|--|-----|----|------------------|
| S17 | 2  | "6490680".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/24 14:38 |
| S18 | 2  | "6655585".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/24 16:14 |
| S19 | 2  | "6779114".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/24 16:15 |
| S20 | 2  | "6085320".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/24 16:15 |
| S21 | 44 | verification AND threshold AND password<br>AND ("713/186".ccls.) AND<br>(@pd<"20010628" or @ad<"20010628" or<br>@prad<"20010628" or @rlad<"20010628")              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/27 08:38 |
| S22 | 33 | generate AND verification AND threshold<br>AND password AND ("713/186".ccls.) AND<br>(@pd<"20010628" or @ad<"20010628" or<br>@prad<"20010628" or @rlad<"20010628") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/27 08:40 |
| S23 | 5  | generate AND verification threshold AND<br>password AND ("713/186".ccls.) AND<br>(@pd<"20010628" or @ad<"20010628" or<br>@prad<"20010628" or @rlad<"20010628")     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/27 08:41 |
| S24 | 5  | verification threshold AND password AND<br>("713/186".ccls.) AND (@pd<"20010628"<br>or @ad<"20010628" or<br>@prad<"20010628" or @rlad<"20010628")                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/27 08:44 |

## EAST Search History

|     |    |   |   |     |    |                  |
|-----|----|---|---|-----|----|------------------|
| S25 | 0  | verification threshold NEAR password AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                     | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 08:43 |
| S26 | 0  | verification threshold WITH password AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                     | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 08:43 |
| S27 | 1  | verification threshold SAME password AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                     | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 08:43 |
| S28 | 8  | verification threshold AND ("713/186".ccls.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")             | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:56 |
| S29 | 0  | bijection AND table AND ("713/186".ccls.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:57 |
| S30 | 83 | bijection AND table AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                                      | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:57 |
| S31 | 66 | step AND algorithm AND bijection AND table AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")               | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:57 |
| S32 | 24 | nonlinear AND step AND algorithm AND bijection AND table AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:57 |

## EAST Search History

|     |     |  |   |     |    |                  |
|-----|-----|--|---|-----|----|------------------|
| S33 | 4   | nonlinear bijection AND step AND algorithm AND table AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                              | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:58 |
| S34 | 4   | nonlinear bijection AND algorithm AND table AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                                       | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:58 |
| S35 | 4   | nonlinear bijection AND table AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:58 |
| S36 | 4   | nonlinear bijection AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:59 |
| S37 | 157 | bijection AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:59 |
| S38 | 83  | table AND bijection AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:59 |
| S39 | 70  | algorithm AND table AND bijection AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 09:59 |
| S40 | 21  | algorithm AND table AND bijection AND ("713".clas. OR "726".clas. OR "380".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 10:00 |

## EAST Search History

|     |    |  |   |     |    |                  |
|-----|----|--|---|-----|----|------------------|
| S41 | 9  | algorithm AND table AND bijection AND ("713".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                   | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 10:01 |
| S42 | 0  | algorithm AND table NEAR bijection AND ("713".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                  | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 10:01 |
| S43 | 3  | algorithm AND table SAME bijection AND ("713".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                  | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 10:01 |
| S44 | 3  | table SAME bijection AND ("713".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                                | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 10:03 |
| S45 | 36 | sequence AND disperse AND ("713".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")                               | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 10:04 |
| S46 | 12 | merge AND code AND block AND sequence AND disperse AND ("713".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628")  | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 10:07 |
| S47 | 4  | merge AND block NEAR code AND sequence AND disperse AND ("713".clas.) AND (@pd<"20010628" or @ad<"20010628" or @prad<"20010628" or @rlad<"20010628") | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 10:07 |